

Claims

1. Process for the synthesis of 3,5-diamino-6-(2,3-dichlorophenyl)-1,2,4-triazine
5 of formula (I) using 2,3-dichlorobenzoyl cyanide and an aminoguanidine salt
as starting materials characterized by reacting the 2,3-benzoyl cyanide of
formula (II) with 1-2 mol equivalent of aminoguanidine salt in 3-6 mol
equivalent of methanesulfonic acid, then transforming the obtained adduct of
formula (IV) without isolation into the product with magnesium oxide, and in
10 given case recrystallizing the so obtained crude product from a proper organic
solvent.
2. The process according to claim 1, characterized by using the dimesylate salt of
aminoguanidine of formula (III) as aminoguanidine salt.
3. The process according to claim 2, characterized by using 1.3 mol equivalent of
15 aminoguanidine dimesylate of formula (III).
4. The process according to claim 1, characterized by using 4.2 mol equivalent of
methanesulfonic acid.
5. The process according to claim 1, characterized by carrying out the cyclization
reaction in the presence of 2-4 mol equivalent of magnesium oxide.
- 20 6. The process according to claim 5, characterized by using 3.75 mol equivalent
of magnesium oxide in the cyclization reaction.
7. The process according to claim 1, characterized by using acetone for the
recrystallization.
8. Aminoguanidine dimesylate of formula (III).